User:

Thursday, 6/15/2006 3:17:01 PM

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number Estimate Number 27604

P.O. Number

: 12454 · NIA

This Issue Prsht Rev.

: 6/15/2006

: NC

First Issue Previous Run

: NIA

Type

S.O. No. : NA

: NIA

Written By Checked & Approved By

Comment

New issue KJ/DS

: MACHINED PARTS

Part Number **Drawing Number**

Due Date

Drawing Name

: D3183042 : D3183 REV C1

: BRACKET ASSEMBLY

: N/A **Project Number** : C1 **Drawing Revision** Material

MG:

: 6/30/2006

Qty:

2 Um:

Each

Additional Product

Job Number:



Seq. #:

1.0

Machine Or Operation:

Description:

17-4 SS Bar

M174B2000X01500

Comment: Qty.:

0.4812 f(s)/Unit Total: 0.9624 f(s)

Material: 17-4 SS Bar per AMS 5604/5643

(M17-4-B1.500x02.000) Identify for D3183-043

Batch: M 10/42

2.0

BAND SAW

BAND SAW



Comment: BAND SAW

Cut blanks: (1.500" x 2.000") 4.300" long

3.0

HAAS CNC VERTICAL MACHINING #



Comment: HAAS CNC VERTICAL MACHINING #1

1-Machine D3183-2 as per Folio FA320 and Dwg D3183 Identify as D3183-2

2-Deburr

3-Scribe batch number

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

Dart Aerospace Ltd

W/O: :		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector	
	- 5							
	ン							
	1							

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Approval	Approval		
DATE	STEP	Section A	Initial Action Description Sign & Design-Mgr Date		Section C	Design Mgr	QC Inspector			
	5.0	-part pulled out of jis while machining bearing spisot damased	COSUM	Scrapillestry. Replace	50 06.07.20		Sur			
ware			1			06-8-09	,	06 V7-20		
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			-							

Part No:	PAR #:	Fault Category: I	NCR:	Yes No DQA:	Date: 00/09/15
NOTE: Date & initial all entries				QA: N/C Closed:	Date:

Thursday, 6/15/2006 3:17:02 PM Date: User: Kim Johnston **Process Sheet** Drawing Name: BRACKET ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Part Number: D3183042 Job Number: 27604 Job Number: Description: Seq. #: **Machine Or Operation:** SECOND CHECK 5.0 QC8 J.6 Comment: SECOND CHECK Bolt 6.0 D312121 Comment: Qty.: 2.0000 Each(s)/Unit Total: 4.0000 Each(s) Pick: Description Batch **Qty Part Number** 2 D3121-21 7.0 D3183045 Bearing Assembly Total: 4.0000 Each(s) Comment: Qty.: 2.0000 Each(s)/Unit Pick: Description Batch **Qty Part Number** B 28655 2 D3183-045 Bearing Ass SMALL & MEDIUM FAB RESOURCE 1 8.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 Assemble D3183-041 as per Dwg D3183. INSPECT WORK TO CURRENT STEP 9.0 QC5 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 10.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock C TO(109/15 Location:__ 11.0 DC Comment: DOCUMENT CONTROL Inspection Level 21 CYOdoglis. Job Completion

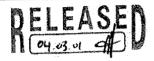
Dart Aerospace Ltd

W/O:			WO	RK ORDER CHANGES					
DATE	STEP	PR	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector
						**			
·_ · ·									
NCR:			WORK ORDE	R NON-CONFORMAN	CE (NCR	()			
DATE	STEP	Description of NC			Verifi	cation	Approval	Approval	
DATE		Section A	Initial Design Mgr	Action Description Design Mgr	Sign & Date		ion C	Design Mgr	QC Inspecto
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Part No):	PAR #:	Fault Category	:NCR: \	es No	DQA:	•	Date:	
NOTE: D	ate & initia	al all entries			QA: N/C CI				



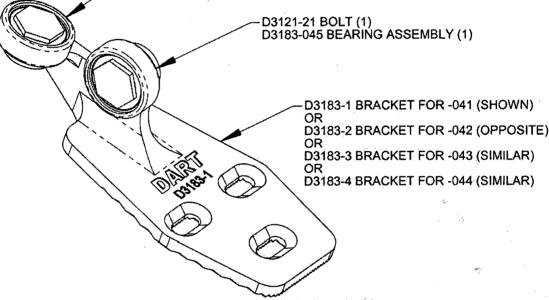


DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	APPROVED	D3183	REV. C	
DATE 04	.02.17	BRACKET ASSEMBLY	SCALE 1:1	

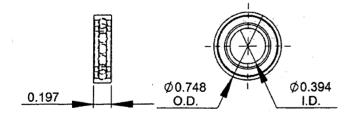


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 	04.02.17	BRACKET ASSEMBLY	1:1
 Α.	03.01.24	NEW ISSUE	
В	03.06.17	REMOVE BEARING; 1.012 WS 0.882	
С	,04.02.17	ADD -045/-9; 0.182 WAS 0.431	
CI	-4-32 04 11.09	0.830 WAS 0.850	

D3121-21 BOLT (1) D3183-045 BEARING ASSEMBLY (1)



D3183-041 BRACKET ASSEMBLY (SHOWN)
D3183-042 BRACKET ASSEMBLY (OPPOSITE
D3183-043 BRACKET ASSEMBLY (SIMILAR)



D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

- 1) SINGLE ROW, DEEP GROOVE, CONRAD TYPE, SHIELDED 2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ
- 3) ALL DIMENSIONS ARE IN INCHES

0.052 ±0.005 ≠0.005 Ø0.394 0.000 I.D Ø0.600 O.D.

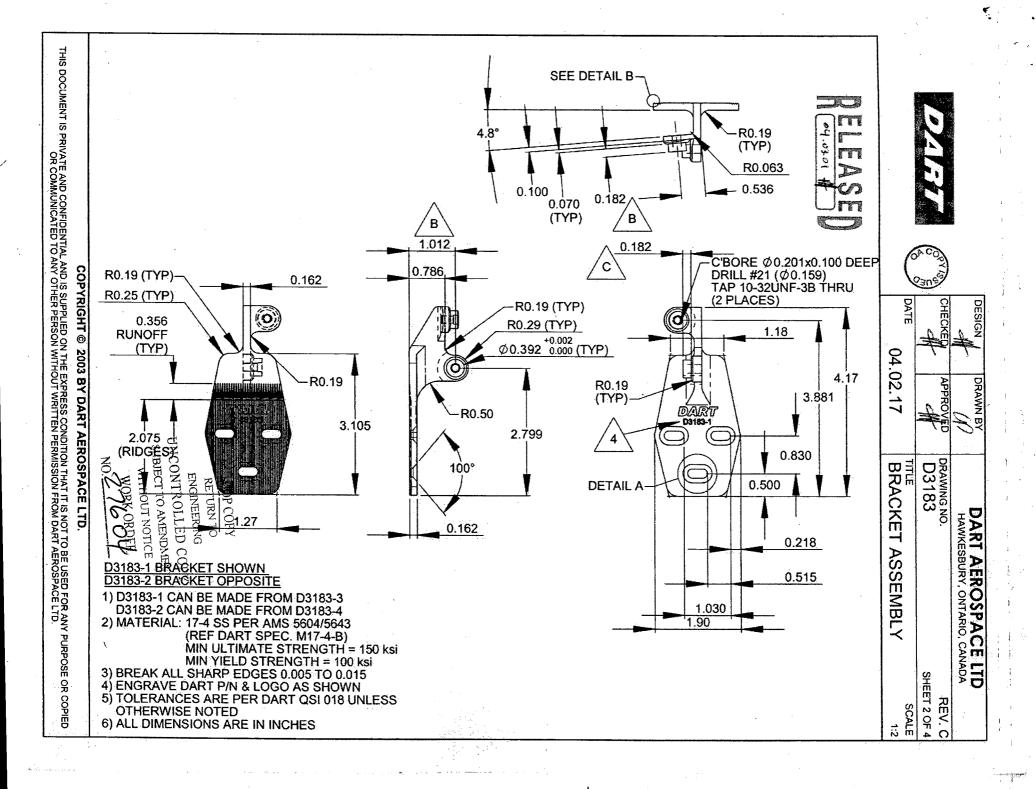
D3183-7 WASHER

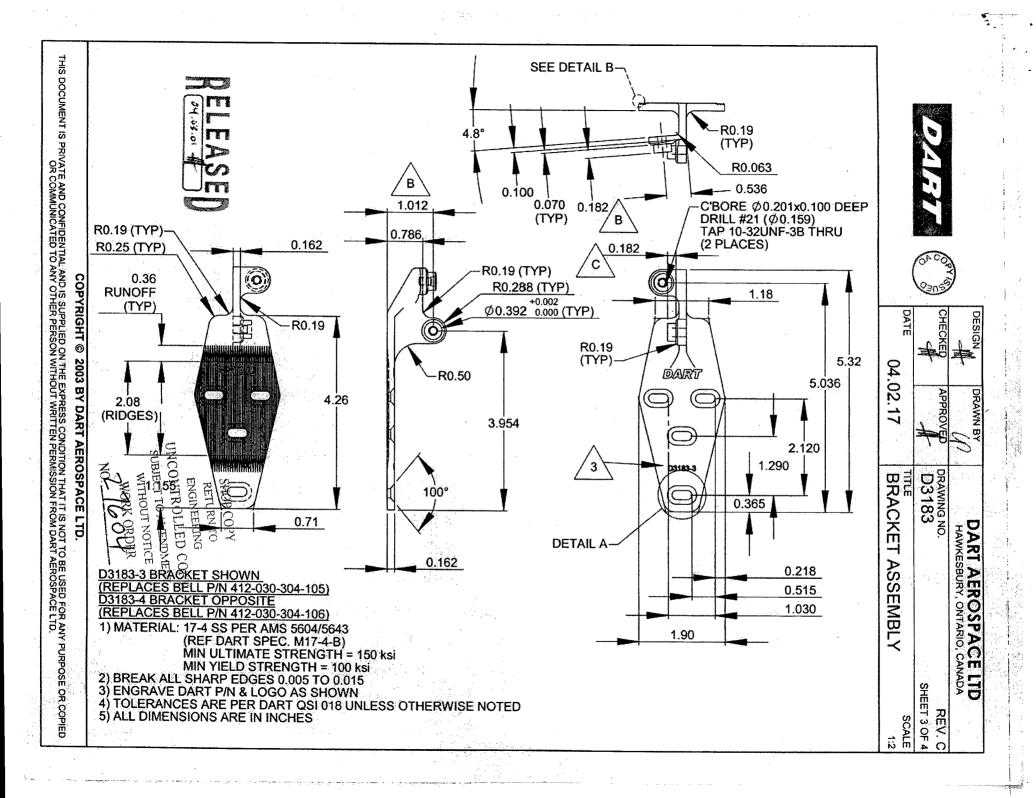
SHOP COPY RETURN TO

- 1) MATERIAL: AISI 303 ROUND BAR (M303R) ING ANNEALED
- 2) BREAK ALL SHARP EDGES 00005 TO 0010 COFY
 3) TOLERANCES ARE PER DART QS 0 189 AMENDMENT
 UNLESS OTHERWISE NOTED WITHOUT NOTICE
 4) ALL DIMENSIONS ARE 4) ALL DIMENSIONS ARE IN INCHES WITHOUT NOTICE

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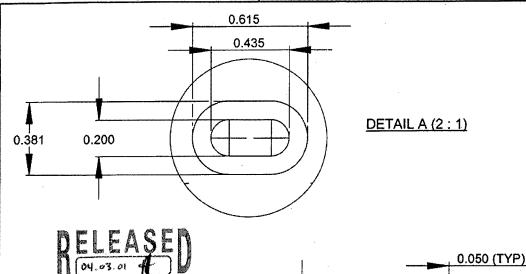




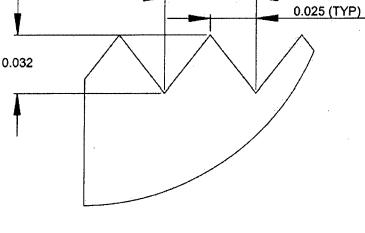




DESIGN DRAWN BY		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
CHECKED	APPROVED	DRAWING NO.	REV. C SHEET 4 OF 4		
DATE 04.	02.17	BRACKET ASSEMBLY	SCALÉ 1:1		



DETAIL B (20:1)



0.276 0.199±0.001 0.039 R0.031 0.720 -0.850 ±0.002 0.747 0.830 ±0.001 /cN R0.010 SECTION C-C **SCALE 2:1**

D3183-9 CAP

- 1) MATERIAL: DELRIN ROD, Ø1.00 (REF DART SPEC. M-DELRIN-R1.00)
- 2) TOLERANCES ARE PER DART OSI 018
 UNLESS OTHERWISE NOTED
 3) ALL DIMENSIONS ARE INTROHES

ENGINEERING

D3183-045 BEARING ASSEMBLY

1) ASSEMBLE D31835 BEARING AND NT

D3183-9 CAP WITHOUT NOTICE

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	Work Order:	12454
[4] E [D		D3183-9
	Part Number.	DO182 9
Ray C		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

		First Artic	le	Proto	type	
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
.162		.166				
RIX		R.25				
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Work Order:	12454
Part Number:	D3183-2
	Page 1 of 1
	Work Order: Part Number:

FIRST ARTICLE INSPECTION CHECKLIST

		First Artic	10	Proto	otype	
9 1 HA	Folerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
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teató:	06.61.20	Date:			C	ate:
					Rev	vised by Approved
Maria Maria	Chan g e .e.:: 1 8846				KJ/	rised by Approved RF

